IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: Shuang-yong Xu, Daniela Kobbe, Zhenyu Zhu, and James Samuelson

for Methods for Altering the Cleavage Specificity of a Type IIG Restriction Endonuclease, the specification of which is being transmitted herewith.

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

- 1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)
- 2. Identification of Prior Applications in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
- 3. Identification of Person(s) Making This Information Disclosure Statement

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory; Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

X deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10*

G with sufficient postage as first class mail.

XG as "Express Mail Post Office to Addressee" Mailing Label No. EE 742523078 US (mandatory)

TRANSMISSION

G facsimile transmitted to the Patent and Trademark Office, (703)

Signature

Date: March 15, 2004

Leslie Goldberg

(type or print name of person certifying)

^{*} Only the date of filing ('1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under '1.8 continues to be taken into account in determining timeliness. See '1.703(f). Consider "Express Mail Post Office to Addressee" ('1.10) or facsimile transmission ('1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

Section 1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)

(Insert form(s) PTO/SB/08A [Form 6-2] and/or form(s) PTO/SB/08B [Form 6-2.1].)

Section 2. Identification of Prior Applications in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application SN.: 10/150,028, filed on May 17, 2002.

This application also relies, under 35 U.S.C. § 120, on the earlier filing date of prior application SN.: 09/693,146, filed on October 20, 2000.

The following references were submitted to, and/or cited by, the Office in the prior applications and, therefore, are not required to be provided in this application:

AA-AS; BA-BB

The person making this certification is:

a. the practitioner who signs below on the basis of the information in the practitioner's file.

Date: March 15, 2004

Reg. No.: 37,008

Tel. No.: 978-927-5054 Customer No.: 28986 Signature of Practitioner

Harriet M. Strimpel, D. Phil. New England Biolabs, Inc.

32 Tozer Road Beverly, MA 01915

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY NO. SERIAL NO. NEB-183-LCIP					
				APPLICANTS:					
				Xu, et al.					
·				FILING DATE:	GROUP NO.				
	U.S. PA	TENTS DOCUMENT	S						
EXAMINER		DOCUMENT				SUB-	FILING DATE IF		
INITIAL		NUMBER	DATE	NAME	CLASS	CLASS	APPROPRIATE		
	ВА	5,200,333							
	BB	5,498,535							
	ļ			·					
		FOREIGN PATENT	DOCUM	ENTS					
EXAMINER		DOCUMENT	!			SUB-	TRANSLATION		
INITIAL		NUMBER	DATE	COUNTRY	CLASS	CLASS	YES/NO		
					· ·				
	_								
		ļ							
	-			·					
						1			

FORM PTO-1	1449	4.	ATTORNEY NO.	SERIAL NO.		
			NEB-183-CIP			
NFORMATION DISCLOSURE STATEMENT			APPLICANTS:			
			Xu, et al.			
			FILING DATE	GROUP NO.		
	AA	MBI Fermentas 2000-	2001 Catalog, Page No). 56,		
		Gsul, Product No.	R0461/ER0462			
	AB	Roberts and Macelis, Nucleic Acids Res. 27:312-313 (1999)				
	AC	Kosykh, et al., Mol. C	Genet. 178:717-71	19 (1980)		
	AD	Mann, et al., Gene, 3	1:97-112 (1978)			
	AE	Walder, et al., Proc.	Natl. Acad. Sci. 78:150	03-1507 (1981)		
	AF	Bougueleret, et al., N	lucleic Acids Res. 12:3	3659-3676 (1984)		
	AG	Gingeras and Brooks,	, Proc. Natl. Acad. Sci. USA 80:402-406 (1983)			
	AH	Theriault and Roy, Gene 19:355-359 (1982)				
	Al	Blumenthal, et al., J. Bacteriology 164:501-509 (1985)				
	AJ	Wayne, et la., Gene 202:83-88 (1997)				
	AK Kiss, et al., Nucleic Acids Res. 13:6403-6421 (1985)			21 (1985)		
	AL Szomolanyi, et al., Gene 10:219-225 (1980)					
	AM Janulaitis, et al., Gene 20:197-204 (1982)					
	AN	Kiss and Baldauf, Gene 21:111-119 (1983)				
	AO	Walder, et al., J. Biol. Chem. 258:1235-1241 (1983)				

FORM PTO-1449			ATTORNEYNO	CEDIAL NO				
FONN F10-1449			ATTORNEY NO.	SERIAL NO.				
			NEB-183-c <u>†</u> 'p					
INFORMATIO 	N DISCLO	OSURE STATEMENT	APPLICANTS:					
	-		Xu, et al.					
			FILING DATE	GROUP NO.				
	AP	Fomenkov, et al., Nucl	eic Acids Res. 22:2399-2	2403 (1994)				
	QA	Janulaitis, et al., Nucleic Acids Res. 20:6051-6056 (1992)						
	AR	Piekarowicz, et al., J. Mol. Biol. 293:1055-1065 (1999)						
	AS	Sethmann, et al., EMBO Journal 18:3502-3508 (1999)						
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
			- i					
				· · · · · · · · · · · · · · · · · · ·				
			···					
-								